



Course Specifications

Course Title:	General Botany
Course Code:	2012103-3
Program:	Bachelor in Zoology
Department:	Biology Department
College:	College of Sciences
Institution:	Taif University

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A. Course Identification

1. Credit hours: 3 hr
2. Course type
a. University <input type="checkbox"/> College <input type="checkbox"/> Department <input checked="" type="checkbox"/> Others <input type="checkbox"/>
b. Required <input checked="" type="checkbox"/> Elective <input type="checkbox"/>
3. Level/year at which this course is offered: 4 th Level / 2 nd year
4. Pre-requisites for this course (if any): General Biology 201104-4
5. Co-requisites for this course (if any): None

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	6 hr/Week	100%
2	Blended	-	-
3	E-learning	-	-
4	Distance learning	-	-
5	Other	-	-

7. Contact Hours (based on academic semester)

No	Activity	Contact Hours
1	Lecture	30
2	Laboratory/Studio	30
3	Tutorial	-
4	Others (specify)	-
	Total	60

B. Course Objectives and Learning Outcomes

1. Course Description: General Botany provides an introduction to study plant with special attention to morphological structure of plants, basic functions of plant parts, and reproduction of plants.
2. Course Main Objective: By the end of this course, the student acquire an appropriate background about divisions of plant kingdom (algae, Gymnospermae and Angiospermae), protoplasmic and non-protoplasmic components of plant cell, the seed types, structure and germination process, the types and functions of root system, the stem types and metamorphosed stems, leaf parts and metamorphosed of leaves, basic structure of flowers, pollination and fertilization, fruit types as well as sexual and asexual reproduction of plant.

3. Course Learning Outcomes

CLOs		Aligned PLOs
1	Knowledge and Understanding:	
1.1	Identify general facts, principles, scientific terminology and concepts across Botany and other related sciences.	K1

CLOs		Aligned PLOs
1.2	Classify plants based on their different characteristics.	K2
2	Skills:	
2.1	Distinguish between various parts of plant body as well as their structure, metamorphosis and functions.	S1
2.2	Utilize concepts and basics of Botany in economic, social and environmental contexts.	S3
3	Values:	
3.1	Appraise proper collaboration to achieve certain individual or group tasks.	V1

C. Course Content

No	List of Topics	Contact Hours
1	Unit 1: Historical introduction of plants diversity	3L+3P
2	Seeds, germination and seedlings growth	3L+3P
3	Unit 2: Roots Kinds, functions and metamorphosis	3L+3P
4	Stems kinds, functions and metamorphosis	3L+3P
5	Leaves, kinds, functions and metamorphosis	3L+3P
6	Unit 3: Flower compositions	3L+3P
7	Sexual reproduction in plants	3L+3P
8	Kinds of inflorescences	3L+3P
9	Kinds of fruits	3L+3P
10	Asexual reproduction in plants	3L+3P
Total		30L+30P

D. Teaching and Assessment

1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
1.0	Knowledge and Understanding:		
1.1	Identify general facts, principles, scientific terminology and concepts across Botany and other related sciences.	Lectures Brain storming	Paper-based exams
1.2	Classify plants based on their different characteristics.	Lectures Concept maps	Paper-based exams
2.0	Skills:		
2.1	Distinguish between various parts of plant body as well as their structure, metamorphosis and functions.	Small group activities Open discussion	Practical exam

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
2.2	Utilize concepts and basics of Botany in economic, social and environmental contexts.	Brain storming Small group activities	Practical reports Activities Evaluation
3.0	Values:		
3.1	Appraise proper collaboration to achieve certain individual or group tasks.	Open discussion Small group activities	Activities Evaluation

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Assignments and activities: 1- Written Assignment 2- Power-point presentation	Variable	10
2	Midterm Exam	5 th	20
3	Periodic Exam	7 th	10
4	Practical Reports	Continuous	15
5	Final Practical Exam	11 th	5
6	Final Exam	12 th	40

*Assessment task (i.e., written test, oral test, oral presentation, group project, essay, etc.)

E. Student Academic Counseling and Support

Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice:

6 hours per week (as defined in the teaching schedule of the faculty member) for academic advice and consultations.

Teaching staff is also available using Blackboard web site and Taif University “Edugate” System.

F. Learning Resources and Facilities

1. Learning Resources

Required Textbooks	<ul style="list-style-type: none"> - James, D.M. (2009). Botany: An Introduction to Plant Biology, 4th Edition, University of Texas, Austin, Texas. - Brown, W.H. (1984). The Plant Kingdom, A textbook of general botany, Vakils, Feffer and Simons, Bombay, India.
Essential References Materials	- Wilhelm Nultsch (2013). General Botany, 1 st Edition, Academic Press.
Electronic Materials	Blackboard website; Website of Saudi digital Library
Other Learning Materials	Computer-based programs and professional software.

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	- Classrooms for 40 students\lecture. - Laboratory for 20 students\ lab activity
Technology Resources (AV, data show, Smart Board, software, etc.)	Data show projector
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	Preserved specimens

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Effectiveness of teaching and assessment	Students	Indirect
Quality of learning resources	Peer Reviewer Students	Direct Indirect
Extent of achieving the course learning outcomes	Peer Reviewer Students	Direct Indirect

Evaluation areas (e.g., Effectiveness of teaching and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)

Evaluators (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

Assessment Methods (Direct, Indirect)

H. Specification Approval Data

Council / Committee	Biology Department
Reference No.	Committee number 14 - Academic Year 1442-1443H
Date	22\5\2022G – 21\10\1443H

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